

Characteristic

Opzs Series Lead Acid batteries are designed with a combination of die-casting Tubular positive framework and superfluous electrolyte technologies to offer a very high level of reliability and a long service life. Opzs batteries used special filter and proof design to ensure no acid fog runs over and burning proof, and also convenient examine and maintenance.

Application

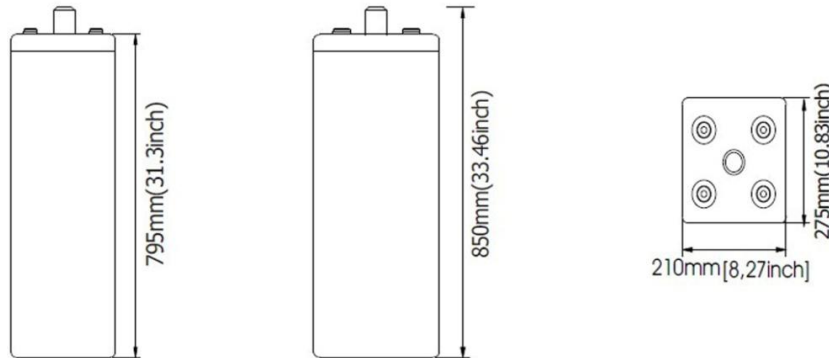
- Telecommunications
- Cable Television
- Electric Utility
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Railroad Utility
- Photovoltaic System
- Alternative Energy System

General Features

- Maintenance convenient.
- Non-Spillable construction design.
- Transparent containers, convenient to observe.
- Special filter installation for acid fog proof.
- High quality and high reliability.
- Super long service life.
- Special pole sealed technology.
- Super reliability.

Dimension

Length (mm / inch)..... 275 /10.8
 Width (mm / inch)210 / 8.27
 Height (mm / inch) 798 / 31.3
 Total Height (mm / inch)..... 850 /33.4
 Approx.Weight(Kg / lbs)
 ... (dry).... 76.8 /169
 ... (flooded)... 108.8 /239.4

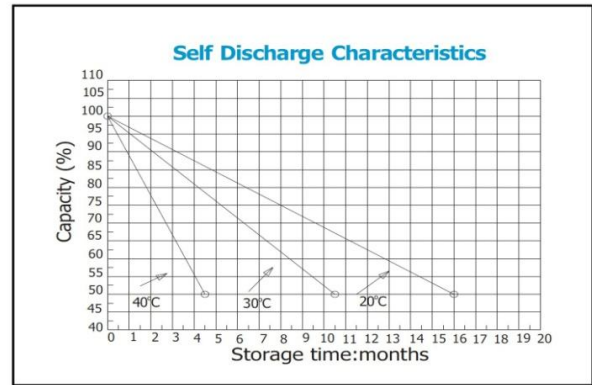
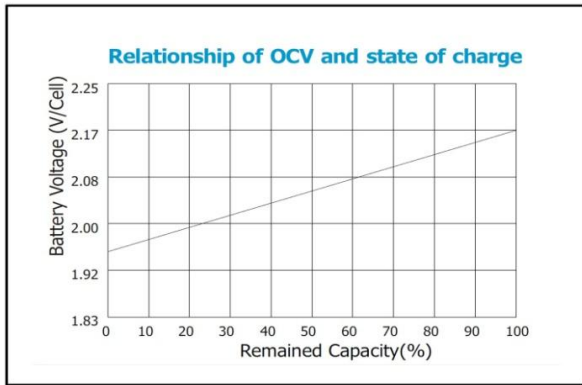
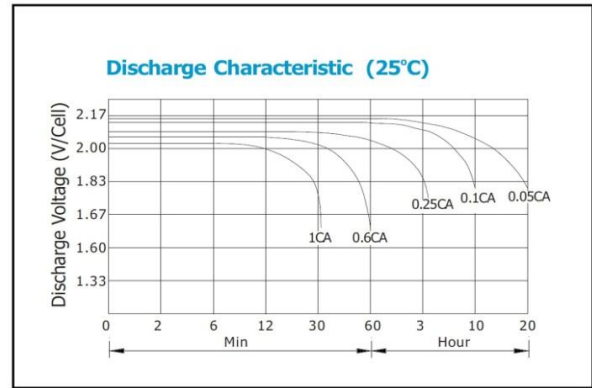
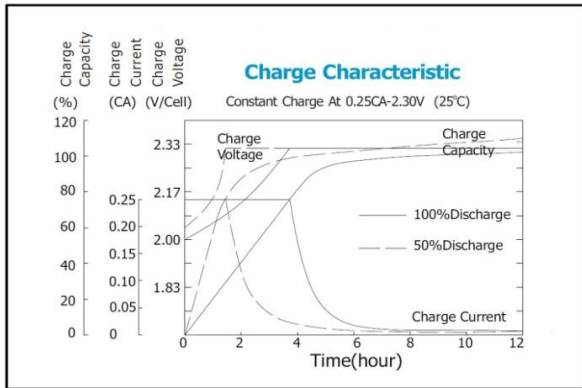


Performance Characteristic

Nominal Voltage	2V
Number of cell	1
Design Life	20years
Nominal Capacity 77°F(25°C)	
240 hour rate(9.1A,1.85V)	2196Ah
100 hour rate(18.0A,1.85V)	1800Ah
10 hour rate(150A,1.80V)	1500Ah
5 hour rate(252A,1.80V)	1260Ah
3 hour rate (375A,1.75V)	1125Ah
1 hour rate(795A,1.67V)	795Ah
Self-Discharge -- 4.5% of capacity declined per 28days at 20°C(average)	
Operation Temperature Range	
Discharge	-20~65°C
Charge	-10~65°C
Storage	-20~65°C
Max.Discharge Current 77°F(25°C)	7500A(5s)
Short Circuit Current	9700A

Charge Method

Application	Initial charge	Equalizing charge	Float charge
Charging method	Constant Current Charging	Constant Voltage Charging	Constant Voltage Charging
Charging Voltage at 20°C	---	2.38~2.42v	2.23~2.27V
Temperature compensation coefficient of charging voltage	---	-3 mV/°C	-3 mV/°C
Charging current	75A	150A (Max. Current)	150A (Max. Current)
Charging time 20°C	100% discharge	60h	36h
	50% discharge	48h	24h
Temperature	0~45°C (32~113°F)		



Discharge Constant Current (Amperes at 77°F/25°C)

EndPoint Volts/Cell	30'	1h	2h	3h	4h	5 h	6h	8h	10h	24h	48h	100h	120h	240h
1.70V	974	746	495	383	308	261	228	183	153	-----	----	----	-----	-----
1.75V	897	705	480	375	305	255	225	180	153	79.5	43.5	----	-----	----
1.80V	833	660	465	356	300	252	218	177	150	78.0	43.5	----	-----	----
1.85V	758	648	435	348	285	237	210	173	146	76.5	42.0	18.0	15.6	9.10
1.90V	739	608	390	330	266	230	203	165	140	72.0	40.5	17.7	15.3	9.00

Discharge Constant Power (Watts at 77°F /25°C)

EndPoint Volts/Cell	30'	1h	2h	3h	4h	5 h	6h	8h	10h	24h	48h	100h	120h	240h
1.70V	1764	1389	920	714	575	489	437	353	296	-----	----	----	-----	-----
1.75V	1632	1316	897	704	572	482	432	347	296	159	87.0	----	-----	----
1.80V	1566	1235	875	669	567	477	422	345	294	156	87.8	----	-----	----
1.85V	1442	1221	824	662	545	456	413	341	288	153	84.8	36.6	31.8	18.8
1.90V	1397	1161	750	635	513	446	402	329	279	145	82.5	36.0	31.4	18.5